

SACB-C-H180-4/ 8- 5,0PUR SCO - Connector hood



1516593

<https://www.phoenixcontact.com/us/products/1516593>

Please be informed that the data shown in this PDF document is generated from our online catalog. Please find the complete data in the user documentation. Our general terms of use for downloads are valid.



Connector hood, application: Sensor/actuator box, connection method: M12 socket Metal / QUICKON, number of slots: 4, slot assignment: Double, status display: no; master cable connection: Pluggable screw connection 180°, PUR/PVC, cable length: 5 m, shielding: no

Commercial data

| | |
|--------------------------------------|---------------|
| Item number | 1516593 |
| Packing unit | 1 pc |
| Minimum order quantity | 1 pc |
| Sales key | BF42 |
| Product key | AF3CCG |
| GTIN | 4017918967383 |
| Weight per piece (including packing) | 768 g |
| Weight per piece (excluding packing) | 699.9 g |
| Customs tariff number | 85444290 |
| Country of origin | DE |

Technical data

Notes

| | |
|---------------|---|
| Assembly note | NOTE: Observe the permissible bending radii when routing cables, since the degree of protection may be at risk if the bending forces are too high. Reduce mechanical loads upstream of the connector, e.g., by using cable ties. |
|---------------|---|

Product properties

| | |
|-----------------|---------------------|
| Product type | Connector hood |
| Application | Sensor/actuator box |
| Number of slots | 4 |
| LED | no |

Electrical properties

| | |
|---|----------|
| Nominal voltage U_N | 120 V AC |
| | 120 V DC |
| Rated current, total | 10 A |
| Max. current carrying capacity per path | 2 A |
| Current carrying capacity per slot | 4 A |

Connection data

Conductor connection

| | |
|-----------------------------------|----------------------------|
| Sensor/actuator connection system | M12 socket |
| Connection method | Pluggable screw connection |
| Tightening torque, cover screw | 0.35 Nm |

Connection assignment

| | |
|--|------------------------|
| Slot/position = Wire color or connection | 1 / 4 (A) = WH |
| | 1 / 2 (B) = GYPK |
| | 2 / 4 (A) = GN |
| | 2 / 2 (B) = RDBU |
| | 3 / 4 (A) = YE |
| | 3 / 2 (B) = WHGN |
| | 4 / 4 (A) = GY |
| | 4 / 2 (B) = BNGN |
| | 1-4 / 1 (+ 120 V) = BN |
| | 1-4 / 3 (0 V) = BU |
| | 1-4 / 5 (PE) = GNYE |

Signaling

| | |
|------------------------|----|
| Status display present | no |
|------------------------|----|

Dimensions

SACB-C-H180-4/ 8- 5,0PUR SCO - Connector hood



1516593

<https://www.phoenixcontact.com/us/products/1516593>

| | |
|--------|-------|
| Width | 58 mm |
| Height | 21 mm |
| Length | 34 mm |


Material specifications

| | |
|--|-------------|
| Material Housing | PBT |
| Material of contact, master cable side | CU alloy |
| Material of the contact carrier on the master cable side | PA |
| Material of contact surface, master cable side | gold-plated |

Cable/line

| | |
|--------------|-----|
| Cable length | 5 m |
|--------------|-----|

PUR/PVC black [PUR]

| | |
|-------------------------------------|--|
| Dimensional drawing |  |
| Cable weight | 122 kg/km |
| UL AWM Style | 20549 |
| Number of positions | 11 |
| Shielded | no |
| Cable type | PUR/PVC black [PUR] |
| Conductor structure signal line | 28x 0.15 mm |
| AWG signal line | 20 |
| Conductor structure, voltage supply | 56x 0.15 mm |
| AWG power supply | 17 |
| Conductor cross-section | 8x 0.5 mm ² (Signal line) 3x 1 mm ² (power line) |
| Wire diameter incl. insulation | 1.5 mm ±0.1 mm (Signal line) 2.1 mm ±0.1 mm (power line) |
| External cable diameter | 8.70 mm ±0.2 mm |
| Outer sheath, material | PUR |
| External sheath, color | black RAL 9005 |
| Conductor material | Bare Cu litz wires |
| Material wire insulation | PVC |
| Single wire, color | brown, blue, green/yellow, white, green, yellow, gray, gray/pink, red/blue, white/green, brown/green |
| Inner sheath thickness | ≥ 0.15 mm |
| Thickness, outer sheath | ≥ 0.38 mm |
| Overall twist | Wires twisted in layers |

SACB-C-H180-4/ 8- 5,0PUR SCO - Connector hood



1516593

<https://www.phoenixcontact.com/us/products/1516593>

| | |
|---|---|
| Nominal voltage, cable | 300 V |
| Test voltage | 2000 V |
| Minimum bending radius, fixed installation | 7.5 x D |
| Minimum bending radius, flexible installation | 10 x D |
| Smallest bending radius, fixed installation | 66 mm |
| Smallest bending radius, movable installation | 87 mm |
| Dynamic load capacity (bending) | Max. bending cycles: 1500000, Bending radius: 87 mm, Traversing path: 2 m, Traversing rate: 2 m/s |
| Flame resistance | DIN EN 50265 |
| Resistance to oil | according to VDE 0472 Part 803 |
| Other resistance | Highly resistant to acids, alkaline solutions and solvents |
| Special properties | Silicone-free |
| Ambient temperature (operation) | -40 °C ... 90 °C (cable, fixed installation) -5 °C ... 80 °C (Cable, flexible installation) 80 °C (in acc. with UL) |

Environmental and real-life conditions

Ambient conditions

| | |
|---------------------------------|-----------------------|
| Degree of protection | IP65 IP67 IP69K |
| Ambient temperature (operation) | -30 °C ... 80 °C |

SACB-C-H180-4/ 8- 5,0PUR SCO - Connector hood



1516593

<https://www.phoenixcontact.com/us/products/1516593>

Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1516593>



cUL Recognized
Approval ID: E118976



UL Recognized
Approval ID: E118976

SACB-C-H180-4/ 8- 5,0PUR SCO - Connector hood



1516593

<https://www.phoenixcontact.com/us/products/1516593>

Classifications

ECLASS

| | |
|-------------|----------|
| ECLASS-13.0 | 27440108 |
| ECLASS-15.0 | 27440108 |

ETIM

| | |
|-----------|----------|
| ETIM 10.0 | EC002585 |
|-----------|----------|

UNSPSC

| | |
|-------------|----------|
| UNSPSC 21.0 | 31251500 |
|-------------|----------|

1516593

<https://www.phoenixcontact.com/us/products/1516593>

Environmental product compliance

EU RoHS

| | |
|---|------|
| Fulfills EU RoHS substance requirements | Yes |
| Exemption | 6(c) |

China RoHS

| | |
|--|---|
| Environment friendly use period (EFUP) | EFUP-50 |
| | An article-related China RoHS declaration table can be found in the download area for the respective article under "Manufacturer declaration". For all articles with EFUP-E, no China RoHS declaration table issued and required. |

EU REACH SVHC

| | |
|-------------------------------------|--------------------------------------|
| REACH candidate substance (CAS No.) | Lead(CAS: 7439-92-1) |
| SCIP | f3af3720-aa98-4154-bf40-47a16caf867a |

Phoenix Contact 2026 © - all rights reserved

<https://www.phoenixcontact.com>

Phoenix Contact USA
586 Fulling Mill Road
Middletown, PA 17057, United States
(+717) 944-1300
info@phoenixcon.com